

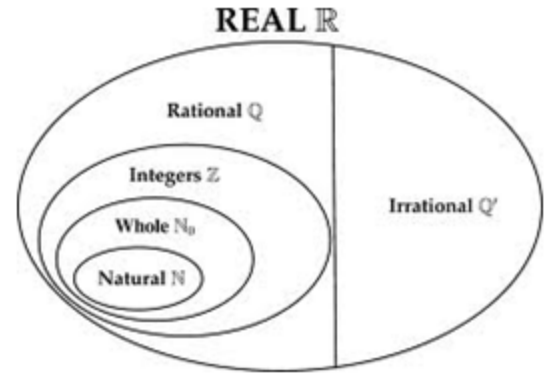
Name: _____

Date: _____

Pd: _____

Real Numbers : True or False

- _____ All integers are rational numbers.
- _____ All negative numbers are integers.
- _____ 3.8765 is a rational number.
- _____ 3.8765..... is a rational number.
- _____ 7 is a real number.
- _____ All fractions are integers.
- _____ zero is a natural number.
- _____ If a number is in integer, then the number is also rational.
- _____ If a number is real, then it is also rational.
- _____ 8 is an integer.



Real Numbers : True or False? Explain.

- _____ An integer is a rational number. Why?

Explain: _____

- _____ A rational is an integer.

Explain: _____

- _____ A number is either a rational or an irrational, but not both.

Explain: _____

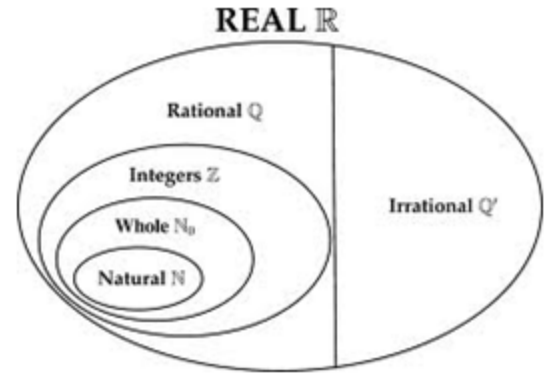
Name: _____

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Real Numbers : True or False

- ___T___ All integers are rational numbers.
- ___F___ All negative numbers are integers.
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- ___F___ 3.8765..... is a rational number.
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- ___F___ All fractions are integers.
- ___F___ zero is a natural number.
- ___T___ If a number is in integer, then the number is also rational.
- ___F___ If a number is real, then it is also rational.
- ___T___ 8 is an integer.



Real Numbers : True or False? Explain.

_____ An integer is a rational number. Why?

Explain: _____
Since any integer can be formatted as a fraction by putting it over 1, then this is **true**.

_____ A rational is an integer.

Explain: _____
Not necessarily; $\frac{4}{1}$ is an integer, but $\frac{2}{3}$ is not! So this is **false**.

_____ A number is either a rational or an irrational, but not both.

Explain: _____
True! In decimal form, a number is either non-terminating and non-repeating (so it's an irrational) or not (so it's a rational); there is no overlap between these two number types!